AMENDMENT AND RESPONSE UNDER 37 C.F.R. §1.116

Serial Number: 09/211,942 Filing Date: December 15, 1998

Title: POINTING DEVICE WITH INTEGRATED AUDIO INPUT

Assignee: Intel Corporation

IN THE SPECIFICATION

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Dkt: 884.078US1 (INTEL)

Please make the paragraph substitutions indicated below. The specific changes incorporated in the substitute paragraphs are shown in the following marked-up versions of the original paragraphs.

The paragraph beginning on page 3, line 25 is amended as follows:

Referring to Figure 1, a personal digital assistant (PDA) having a touch screen is described. The PDA 100 is designed to be portable and allow a user to store and recall information. The computing device or PDA 100 includes a touch screen 102, keypad inputs 104, and optional microphone 106. The touch screen 102 can be controlled using a pointing device, or stylus 110. In one embodiment, the stylus 110 includes a microphone 120 receiving acoustical voice commands which are used to input data and/or control the PDA 100. It will be appreciated that the PDA 100 is typically used in a manner which positions the PDA 100 approximately 12 to 18 inches away from a user's mouth. As such, optional microphone 106 is susceptible to background noise. To reduce the effects of background noise, a microphone is provided in the stylus 110 as described in greater detail below. As illustrated in Figure 1, the stylus 110 can be tethered to the PDA 100 via a wire 109 such that the wire 109 is used for wired communication between the stylus 110 and the PDA 100. This wire is optional, such that in another embodiment the stylus communicates via wireless transmissions. In any event, the stylus is in the immediate vicinity of the PDA. The acoustical voice signals (i.e. speech) received by the stylus 110 are typically translated and displayed on the touch screen 102. The translated data is stored in the PDA 100 such that the user can retrieve the information and view the stored data. The term "personal digital assistant" (PDA) is used herein to define any mobile computing device intended to store and communicate information for use by a user. This information is typically personal in nature, such as addresses, notes, schedules and the like. The PDA 100 can include lap top computers with a touch screen. The PDA 100 can also include communication circuitry for bi-directional communication with external devices, such as fax machines, and networked computers. Thus, PDA's are not limited to data storage and display devices.



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Please cancel the nine paragraphs (regarding Figures 7 and 8) that were instructed to be inserted on page 6 in Applicants' "Amendment & Response Under 37 C.F.R. 1.116" filed on January 29, 2003, and substitute therefor the following two paragraphs:

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Figure 7 illustrates a block diagram of an embodiment of a mobile computing device such as a PDA 100. The PDA 100 in this example may comprise a microphone 106, a memory 142, and a transmitter/receiver element (hereinafter "transceiver") 150. Transceiver 150 may be coupled to a stylus via a link 152, which may be either a wired or wireless link. Transceiver 150 may also be coupled via link 154 to a network that may include a FAX machine or PC (such as PC 200, Figures 4, 5, and 8).

Figure 8 illustrates a block diagram of an embodiment of a PC 200. PC 200 in this example may comprise a processor 210 and voice translation (alternatively referred to herein as speech recognition) software 208. PC 200 may also comprise a transceiver 212. Transceiver 212 may be coupled to a stylus via link 214, which may be a wireless link. Transceiver 212 may also be coupled via link 216 to a mobile computing device (such as PDA 100, Figures 1 and 4-7).

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